

Application No. 10/783,620  
Amendment dated January 4, 2007  
In response to Office Action Mailed: August 22, 2006



SEQUENCE LISTING

<110> Jiang, Liwen  
SUN, Samuel Sai Ming  
<120> PLANT GENE EXPRESSION SYSTEM FOR PROCESSING, TARGETING AND  
ACCUMULATING FOREIGN PROTEINS IN TRANSGENIC SEEDS  
<130> 14769US02  
<140> US 10/783,620  
<141> 2004-02-20  
<150> US 60/449,367  
<151> 2003-02-21  
<160> 8  
<170> PatentIn version 3.3  
<210> 1  
<211> 32  
<212> PRT  
<213> cytoplasmic tail sequences from BP-80  
<400> 1

Lys Tyr Arg Ile Arg Gln Tyr Met Asp Ser Glu Ile Arg Ala Ile Met  
1 5 10 15

Ala Gln Tyr Met Pro Leu Asp Ser Gln Glu Glu Gly Pro Asn His Val  
20 25 30

<210> 2  
<211> 22  
<212> PRT  
<213> cytoplasmic tail sequences from alpha-TIP  
<400> 2

Lys Tyr Arg Ile Arg Pro Ile Glu Pro Pro Pro His His His Gln Pro  
1 5 10 15

Leu Ala Thr Glu Asp Tyr  
20

<210> 3  
<211> 16  
<212> PRT  
<213> FLAG epitope tag sequences operably linked to a spacer  
<220>  
<221> MISC\_FEATURE

Application No. 10/783,620  
Amendment dated January 4, 2007  
In response to Office Action Mailed: August 22, 2006

<222> (1)..(8)  
<223> FLAG epitope tag sequence  
  
<220>  
<221> MISC\_FEATURE  
<222> (9)..(16)  
<223> part of the luminal portion of BP-80 immediately adjacent to the TMD region

<400> 3

Asp Tyr Lys Asp Asp Asp Lys Ser Lys Thr Ala Ser Gln Ala Lys  
1 5 10 15

<210> 4  
<211> 22  
<212> PRT  
<213> signal peptide sequences from proaleurain

<400> 4

Met Ala His Ala Arg Val Leu Leu Leu Ala Leu Ala Val Leu Ala Thr  
1 5 10 15

Ala Ala Val Ala Val Ala  
20

<210> 5  
<211> 23  
<212> PRT  
<213> transmembrane domain sequences from BP-80  
  
<400> 5

Thr Trp Ala Ala Phe Trp Val Val Leu Ile Ala Leu Ala Met Ile Ala  
1 5 10 15

Gly Gly Gly Phe Leu Val Tyr  
20

<210> 6  
<211> 22  
<212> PRT  
<213> signal peptide sequences from the barley cysteine protease aleurain  
  
<400> 6

Met Ala His Ala Arg Val Leu Leu Leu Ala Leu Ala Val Leu Ala Thr  
1 5 10 15

Ala Ala Val Ala Val Ala  
20

Application No. 10/783,620  
Amendment dated January 4, 2007  
In response to Office Action Mailed: August 22, 2006

<210> 7  
<211> 24  
<212> PRT  
<213> signal peptide sequences from the rice storage protein glutelin

<400> 7

Met Ala Ser Ile Asn Arg Pro Ile Val Phe Phe Thr Val Cys Leu Phe  
1 5 10 15

Leu Leu Cys Asp Gly Ser Leu Ala  
20

<210> 8  
<211> 8  
<212> PRT  
<213> spacer

<220>  
<221> MISC\_FEATURE  
<223> part of the luminal portion of BP-80 immediately adjacent to the  
TMD region

<400> 8

Ser Lys Thr Ala Ser Gln Ala Lys  
1 5